

STIC-Biotech/ChemLib

176 804

From: Chan, Christina  
Sent: Tuesday, January 17, 2006 3:59 PM  
To: Yu, Misook; STIC-Biotech/ChemLib  
Subject: RE: rush searh request for 09/626,219 due this biweek

Please rush. Thanks Chris

Chris Chan  
TC 1600 New Hire Training Coordinator and SPE 1644  
(571)-272-0841  
Remsen, 3E89

-----Original Message-----

From: Yu, Misook  
Sent: Tuesday, January 17, 2006 3:37 PM  
To: Chan, Christina  
Subject: rush searh request for 09/626;219 due this biweek

Please do Interference search only for SEQ ID NO: 1 (protein).

Examiner Misook Yu, Ph.D.  
571-272-0839 (Phone)  
Art Unit 1642  
REM-3A18 (Room)  
REM-3C18 (Mail Box)

RECEIVED  
JAN 17 2006  
STIC

\*\*\*\*\*

Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search  
NA# \_\_\_\_\_ AA# \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIS: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

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GenCore version 5.1.6  
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 18, 2006, 14:53:50 ; Search time 23 Seconds  
(without alignments)  
708.135 Million cell updates/sec

Title: US-09-626-219-1  
Perfect score: 1133  
Sequence: 1 SQPQAVPPYASNQTRDQE.....QSDTTCKNPLEPLPPMSGT 197

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/1/iaa/5 COMB.pep:\*  
2: /cgn2\_6/prodata/1/iaa/6 COMB.pep:\*  
3: /cgn2\_6/prodata/1/iaa/H COMB.pep:\*  
4: /cgn2\_6/prodata/1/iaa/PTUS COMB.pep:\*  
5: /cgn2\_6/prodata/1/iaa/RE COMB.pep:\*  
6: /cgn2\_6/prodata/1/iaa/backfilesl.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1133	100.0	197	1	US-08-505-606-1
2	1133	100.0	197	2	US-09-000-166-1
3	1133	100.0	197	2	US-09-303-262-1
4	1133	100.0	473	2	US-09-949-016-7944
5	987	87.1	170	2	US-08-828-683A-14
6	981	86.6	170	2	US-09-523-323-57
7	771	68.0	415	2	US-09-006-353A-6
8	771	68.0	415	2	US-09-573-986-6
9	456	40.2	77	2	US-08-866-545-3
10	456	40.2	77	2	US-09-627-775-3
11	305	26.9	227	2	US-08-974-022-48
12	305	26.9	227	2	US-08-795-445A-48
13	305	26.9	227	2	US-08-795-447A-48
14	305	26.9	227	2	US-08-974-186-48
15	305	26.9	227	2	US-08-795-446B-48
16	305	26.9	227	2	US-08-706-945D-134
17	305	26.9	227	2	US-08-577-788C-48
18	305	26.9	235	2	US-09-326-394-4
19	305	26.9	235	2	US-09-580-235-2
20	305	26.9	235	2	US-09-580-235-8
21	305	26.9	235	2	US-09-580-181-2
22	305	26.9	235	2	US-09-580-181-8
23	305	26.9	235	2	US-09-102-530-2
24	305	26.9	235	2	US-09-102-530-8
25	305	26.9	257	2	US-09-579-845-10
26	305	26.9	439	2	US-10-360-101-226
27	305	26.9	461	1	US-08-385-229-2

28	305	26.9	461	1	US-08-650-000-2	Sequence 2, Appli
29	305	26.9	461	2	US-09-042-785A-7	Sequence 7, Appli
30	305	26.9	461	2	US-08-477-347-3	Sequence 3, Appli
31	305	26.9	461	2	US-09-006-353A-4	Sequence 4, Appli
32	305	26.9	461	2	US-08-476-862-2	Sequence 2, Appli
33	305	26.9	461	2	US-09-573-986-4	Sequence 4, Appli
34	305	26.9	461	2	US-08-406-824A-2	Sequence 2, Appli
35	305	26.9	461	2	US-09-800-909-2	Sequence 2, Appli
36	305	26.9	461	2	US-09-758-124-2	Sequence 3, Appli
37	305	26.9	461	2	US-09-800-908-3	Sequence 3, Appli
38	305	26.9	461	2	US-09-896-096A-17	Sequence 17, Appli
39	305	26.9	461	2	US-09-949-016-6019	Sequence 6019, Ap
40	305	26.9	461	2	US-10-046-433-6	Sequence 6, Appli
41	305	26.9	461	6	5395760-2	Patent No. 5395760
42	305	26.9	486	1	US-08-243-010-1	Sequence 1, Appli
43	305	26.9	491	2	US-09-949-016-7840	Sequence 7840, Ap
44	305	26.9	518	1	US-08-385-229-4	Sequence 4, Appli
45	305	26.9	518	2	US-09-579-845-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1  
US-08-505-606-1  
; Sequence 1, Application US/08505606  
; Patent No. 5925351  
; GENERAL INFORMATION:  
; APPLICANT: BROWNING, Jeffrey L.  
; APPLICANT: BENJAMIN, Christopher D.  
; APPLICANT: HOCHMAN, Paula S.  
; TITLE OF INVENTION: SOLUBLE LYMPHOTOXIN-BETA RECEPTORS AND  
; TITLE OF INVENTION: ANTI-LYMPHOTOXIN RECEPTOR AND LIGAND ANTIBODIES AS  
; TITLE OF INVENTION: THERAPEUTIC AGENTS FOR THE TREATMENT OF IMMUNOLOGICAL  
; TITLE OF INVENTION: DISEASE  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: James F. Haley, Jr.  
; STREET: 1251 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10020  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/505,606  
; FILING DATE: 21-JUL-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/378,968  
; FILING DATE: 26-JAN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HALEY, Jr., James F.  
; REGISTRATION NUMBER: 27,794  
; REFERENCE/DOCKET NUMBER: B191  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 596-9000  
; TELEFAX: (212) 596-9090  
; TELEX: 14-8367  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 197 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-505-606-1

Query Match 100.0% Score 1133; DB 1; Length 197;

Best Local Similarity 100.0%; Pred. No. 3.6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 SQQAVPPYASENOTCRDQEKYEYEPQHRICCSRCPGGTYYSAKCSRIKDTVCATCAENS 60  
Db 1 SQQAVPPYASENOTCRDQEKYEYEPQHRICCSRCPGGTYYSAKCSRIKDTVCATCAENS 60  
QY 61 YNEHWNLYTICOLCRPCDPVVMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
Db 61 YNEHWNLYTICOLCRPCDPVVMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
QY 121 CPPGTAEALKDVGKGNHVCCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
Db 121 CPPGTAEALKDVGKGNHVCCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
QY 181 TTCNPLEPLPPMSGT 197  
Db 181 TTCNPLEPLPPMSGT 197

RESULT 2  
US-09-000-166-1  
; Sequence 1, Application US/09000166A  
; Patent No. 6403087  
; GENERAL INFORMATION:  
; APPLICANT: BROWNING, et al.  
; TITLE OF INVENTION: Soluble lymphotoxin-B Receptors and Anti-lymphotoxin  
; TITLE OF INVENTION: Receptor and Ligand Antibodies, as Therapeutic Agents  
; TITLE OF INVENTION: for the Treatment of Immunological Disease.  
; FILE REFERENCE: B191  
; CURRENT APPLICATION NUMBER: US/09/000,166A  
; EARLIER FILING DATE: 1998-06-08  
; EARLIER APPLICATION NUMBER: PCT/US96/12010  
; EARLIER FILING DATE: 1996-07-19  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 197  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-000-166-1

Query Match 100.0%; Score 1133; DB 2; Length 197;  
Best Local Similarity 100.0%; Pred. No. 3.6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 SQQAVPPYASENOTCRDQEKYEYEPQHRICCSRCPGGTYYSAKCSRIKDTVCATCAENS 60  
QY 61 YNEHWNLYTICOLCRPCDPVVMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
Db 61 YNEHWNLYTICOLCRPCDPVVMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
QY 121 CPPGTAEALKDVGKGNHVCCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
Db 121 CPPGTAEALKDVGKGNHVCCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
QY 181 TTCNPLEPLPPMSGT 197  
Db 181 TTCNPLEPLPPMSGT 197

RESULT 3  
US-09-303-262-1  
; Sequence 1, Application US/09303262  
; Patent No. 6669941  
; GENERAL INFORMATION:  
; APPLICANT: BROWNING, Jeffrey L.  
; BENJAMIN, Christopher D.  
; HOCHMAN, Paula S.  
; TITLE OF INVENTION: SOLUBLE LYMPHOTOXIN-BETA RECEPTORS AND  
; ANTI-LYMPHOTOXIN RECEPTOR AND LIGAND ANTIBODIES AS

THERAPEUTIC AGENTS FOR THE TREATMENT OF IMMUNOLOGICAL DISEASE  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: James F. Haley, Jr.  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10020  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/303,262  
FILING DATE: 30-Apr-1999  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/505,606  
FILING DATE: 21-JUL-1995  
APPLICATION NUMBER: US 08/378,968  
FILING DATE: 26-JAN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: HALEY, Jr., James F.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: B191  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 596-9000  
TELEFAX: (212) 596-9090  
TELEX: 14-8367  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 197 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-303-262-1

Query Match 100.0%; Score 1133; DB 2; Length 197;  
Best Local Similarity 100.0%; Pred. No. 3.6e-99; Mismatches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 SQQAVPPYASENOTCRDQEKYEYEPQHRICCSRCPGGTYYSAKCSRIKDTVCATCAENS 60  
Db 1 SQQAVPPYASENOTCRDQEKYEYEPQHRICCSRCPGGTYYSAKCSRIKDTVCATCAENS 60  
QY 61 YNEHWNLYTICOLCRPCDPVVMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
Db 61 YNEHWNLYTICOLCRPCDPVVMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
QY 121 CPPGTAEALKDVGKGNHVCCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
Db 121 CPPGTAEALKDVGKGNHVCCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
QY 181 TTCNPLEPLPPMSGT 197  
Db 181 TTCNPLEPLPPMSGT 197

RESULT 4  
US-09-949-016-7944  
; Sequence 7944, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7944  
; LENGTH: 473  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-7944

Query Match 100.0%; Score 1133; DB 2; Length 473;  
Best Local Similarity 100.0%; Pred. No. 9.5e-99;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 SQQAVPPYASENQTCRDOEKEYEPOHRIICSRCPGTVVSAKCSRIKRTVTCATCAENS 60  
DB 66 SQQAVPPYASENQTCRDOEKEYEPOHRIICSRCPGTVVSAKCSRIKRTVTCATCAENS 125  
  
QY 61 YNEHNYLTICQLCRCDPVMGLEETAPCTSKKTCRCQCPGMFCAAWALECTHCELLSD 120  
DB 126 YNEHNYLTICQLCRCDPVMGLEETAPCTSKKTCRCQCPGMFCAAWALECTHCELLSD 185  
  
QY 121 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
DB 186 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 245  
  
QY 181 TTCKNPLELPPEMSGT 197  
DB 246 TTCKNPLELPPEMSGT 262

RESULT 5  
US-08-828-683A-14  
; Sequence 14, Application US/08828683A  
; Patent No. 6469144  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/828,683A  
; FILING DATE: 31-Mar-1997  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/625328  
; FILING DATE: 1-Apr-1996  
; APPLICATION NUMBER: 08/710802  
; FILING DATE: 23-Sep-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Marschang, Diane L.  
; REGISTRATION NUMBER: 35,600  
; REFERENCE/DOCKET NUMBER: P1007P1  
; TELEPHONE: 650/225-5416  
; TELEFAX: 650/952-9881  
; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 170 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-08-828-683A-14  
  
Query Match 87.1%; Score 987; DB 2; Length 170;  
Best Local Similarity 100.0%; Pred. No. 1.7e-85;  
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 15 TCRDOEKEYEPOHRIICSRCPGTVVSAKCSRIKRTVTCATCAENSYNEHNYLTICQLC 74  
DB 1 TCRDOEKEYEPOHRIICSRCPGTVVSAKCSRIKRTVTCATCAENSYNEHNYLTICQLC 60  
  
QY 75 RPCDPVMGLEETAPCTSKKTCRCQCPGMFCAAWALECTHCELLSDCPPGTAEALKDEVG 134  
DB 61 RPCDPVMGLEETAPCTSKKTCRCQCPGMFCAAWALECTHCELLSDCPPGTAEALKDEVG 120  
  
QY 135 KGNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSDTTCK 184  
DB 121 KGNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSDTTCK 170

RESULT 6  
US-09-523-323-57  
; Sequence 57, Application US/09523323  
; Patent No. 6635743  
; GENERAL INFORMATION:  
; APPLICANT: Ebner, Reinhard  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Ruben, Steven M.  
; APPLICANT: Ullrich, Stephen  
; APPLICANT: Zhai, Yifan  
; TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use  
; FILE REFERENCE: 1488, 065000C  
; CURRENT APPLICATION NUMBER: US/09/523,323  
; CURRENT FILING DATE: 2000-03-10  
; EARLIER APPLICATION NUMBER: 60/168,380  
; EARLIER FILING DATE: 1999-12-02  
; EARLIER APPLICATION NUMBER: 60/148,326  
; EARLIER FILING DATE: 1999-08-11  
; EARLIER APPLICATION NUMBER: 60/142,657  
; EARLIER FILING DATE: 1999-07-06  
; EARLIER APPLICATION NUMBER: 60/137,457  
; EARLIER FILING DATE: 1999-06-04  
; EARLIER APPLICATION NUMBER: 60/124,041  
; EARLIER FILING DATE: 1999-03-11  
; EARLIER APPLICATION NUMBER: 09/252,656  
; EARLIER FILING DATE: 1999-02-19  
; EARLIER APPLICATION NUMBER: 60/075,409  
; EARLIER FILING DATE: 1998-02-20  
; EARLIER APPLICATION NUMBER: 09/027,287  
; EARLIER FILING DATE: 1998-02-20  
; EARLIER APPLICATION NUMBER: 09/003,886  
; EARLIER FILING DATE: 1998-01-07  
; EARLIER APPLICATION NUMBER: 08/822,953  
; EARLIER FILING DATE: 1997-03-21  
; EARLIER APPLICATION NUMBER: 60/013,923  
; EARLIER FILING DATE: 1996-03-22  
; EARLIER APPLICATION NUMBER: 60/030,157  
; EARLIER FILING DATE: 1996-10-31  
; NUMBER OF SEQ ID NOS: 70  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 57  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (7)  
; OTHER INFORMATION: May be any amino acid  
US-09-523-323-57

Query Match 86.6%; Score 981; DB 2; Length 170;  
 Best Local Similarity 99.4%; Pred. No. 6.4e-85;  
 Matches 169; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 15 TCRDQKEYEYFQHRICSCRCPPGGTYVSAGKSRIRDTVCATCAENSYNHWNLYLTICLC 74  
 DB 1 TCRDQEXEYFQHRICSCRCPPGGTYVSAGKSRIRDTVCATCAENSYNHWNLYLTICLC 60

QY 75 RCPDPMGLBEIAPCTSKRTQCRCPGMFCAAWALECTHCELLSDCPGTEAEKDEVG 134  
 DB 61 RCPDPMGLBEIAPCTSKRTQCRCPGMFCAAWALECTHCELLSDCPGTEAEKDEVG 120

QY 135 KGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCK 184  
 DB 121 KGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCK 170

RESULT 7  
 US-09-006-353A-6  
 ; Sequence 6, Application US/09006353A  
 ; Patent No. 6261801  
 ; GENERAL INFORMATION:  
 ; APPLICANT: WEI, YING-FEI  
 ; APPLICANT: YU, GUO-LIANG  
 ; APPLICANT: GENTZ, REINER  
 ; APPLICANT: RUBEN, STEVEN  
 ; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5  
 ; NUMBER OF SEQUENCES: 26  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.  
 ; STREET: 9410 KEY WEST AVENUE  
 ; CITY: ROCKVILLE  
 ; STATE: MD  
 ; COUNTRY: US  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/006,353A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: BROOKES, ANDERS A  
 ; REGISTRATION NUMBER: 36,373  
 ; REFERENCE/DOCKET NUMBER: PF341  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8504  
 ; TELEFAX: (301) 309-8512  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 415 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-09-006-353A-6

Query Match 68.0%; Score 771; DB 2; Length 415;  
 Best Local Similarity 70.7%; Pred. No. 1e-64;  
 Matches 135; Conservative 14; Mismatches 40; Indels 2; Gaps 1;

QY 1 SQQAVPPYASENOTCRDQKEYEYFQHRICSCRCPPGGTYVSAGKSRIRDTVCATCAENS 60  
 DB 28 SQQLVPPYRIENQTCWDQKEYEYFQHRICSCRCPPGGTYVSAGKSRIRDTVCATCAENS 87

QY 61 YNEHWNLYLTICQLCRPCDPVNMGLBEIAPCTSKRTQCRCPGMFCAAWALECTHC--ELL 118  
 DB 88 YNEHWNHLSLTICQLCRPCDIVLGFEEVAPCTSDRAECRCQFGMSCVYLDNECVHCEERL 147

QY 119 SDCPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQ 178  
 DB 148 VLCQPGTEAEVTDEIMDTDVNCVCKPGHFONTSSPRARCPHTRCETIQGLVEAAPGTSY 207

QY 179 SDTICKNPLEP 189  
 DB 208 SDTICKNPPPEP 218

RESULT 8  
 US-09-573-986-6  
 ; Sequence 6, Application US/09573986  
 ; Patent No. 6455040  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wei, Ying-Fei  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner  
 ; APPLICANT: Ruben, Steven  
 ; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5  
 ; FILE REFERENCE: 1488.1280004  
 ; CURRENT APPLICATION NUMBER: US/09/573,986  
 ; CURRENT FILING DATE: 2000-05-18  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: Patent In Ver. 2.1  
 ; SEQ ID NO 6  
 ; LENGTH: 415  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-573-986-6

Query Match 68.0%; Score 771; DB 2; Length 415;  
 Best Local Similarity 70.7%; Pred. No. 1e-64;  
 Matches 135; Conservative 14; Mismatches 40; Indels 2; Gaps 1;

QY 1 SQQAVPPYASENOTCRDQKEYEYFQHRICSCRCPPGGTYVSAGKSRIRDTVCATCAENS 60  
 DB 28 SQQLVPPYRIENQTCWDQKEYEYFQHRICSCRCPPGGTYVSAGKSRIRDTVCATCAENS 87

QY 61 YNEHWNLYLTICQLCRPCDPVNMGLBEIAPCTSKRTQCRCPGMFCAAWALECTHC--ELL 118  
 DB 88 YNEHWNHLSLTICQLCRPCDIVLGFEEVAPCTSDRAECRCQFGMSCVYLDNECVHCEERL 147

QY 119 SDCPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQ 178  
 DB 148 VLCQPGTEAEVTDEIMDTDVNCVCKPGHFONTSSPRARCPHTRCETIQGLVEAAPGTSY 207

QY 179 SDTICKNPLEP 189  
 DB 208 SDTICKNPPPEP 218

RESULT 9  
 US-08-866-545-3  
 ; Sequence 3, Application US/08866545  
 ; Patent No. 6265535  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Greene, Mark I.  
 ; APPLICANT: Murali, Ramachandran  
 ; APPLICANT: Takasaki, Wataru  
 ; TITLE OF INVENTION: PEPTIDES AND PEPTIDE  
 ; TITLE OF INVENTION: ANALOGUES DESIGNED FROM BINDING SITES OF TUMOR  
 ; TITLE OF INVENTION: NECROSIS FACTOR RECEPTOR SUPERFAMILY AND THEIR  
 ; TITLE OF INVENTION: USES  
 ; NUMBER OF SEQUENCES: 27  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10036-2811  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette

100

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; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,445A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 227 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-445A-48

Query Match 26.9%; Score 305; DB 2; Length 227;
Best Local Similarity 35.0%; Pred. No. 4.3e-21;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTCRQEQEYEPQHRIICSCRCPPGTYYVSAKCSRIKDTVCATCAENSYNE 63
Db 28 AFTPYAPEPGSTCR--LREYVDQTAQMCCSKSPGQHAQVCTKTSITDVCDCSDSTYTQ 85
QY 64 HWNYLTICQLCR---PCDPVVMGLEIAPCTSKRTKQCRQCPGMFCAAWALE-CTHCELLS 119
Db 86 LWNWPECLSCGSRCSQV-----ETQACTREQNRICTRPGWYCALSKQBGCRLCAPLR 141
QY 120 DCPPG-----TEAEKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAP 174
Db 142 KCRPGFGVARGPTETSDV-----CKPCAPGTFSTSTSDICRPHQICN-----VWAIP 191
QY 175 GTAQSDTTC--KNPLEPLPP 192
Db 192 GNASRDVACTSTSPTRSMAP 211

RESULT 13
US-08-795-447A-48
; Sequence 48, Application US/08795447A
; Patent No. 6284728
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; TITLE OF INVENTION: Osteoprotegerin
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
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; ZIP: 91362-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,447A
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378D2
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 227 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-447A-48

Query Match 26.9%; Score 305; DB 2; Length 227;
Best Local Similarity 35.0%; Pred. No. 4.3e-21;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTCRQEQEYEPQHRIICSCRCPPGTYYVSAKCSRIKDTVCATCAENSYNE 63
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Db 86 LWNWPECLSCGSRCSQV-----ETQACTREQNRICTRPGWYCALSKQBGCRLCAPLR 141
QY 120 DCPPG-----TEAEKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAP 174
Db 142 KCRPGFGVARGPTETSDV-----CKPCAPGTFSTSTSDICRPHQICN-----VWAIP 191
QY 175 GTAQSDTTC--KNPLEPLPP 192
Db 192 GNASRDVACTSTSPTRSMAP 211

RESULT 14
US-08-974-186-48
; Sequence 48, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,186
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
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ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-378  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 227 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-974-186-48

Query Match 26.9%; Score 305; DB 2; Length 227;  
Best Local Similarity 35.0%; Pred. No. 4.3e-21;  
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQCRDOEKEYEYEPQHRICGSRCPGTYVSAGKSRIRDTVCATCAENSUNE 63  
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QY 64 HNNYLTICOLCR---PCDPVVGLEETIAPCTSKRKTCQRCQPGMFCAAWALE-CTHCELLS 119  
DB 86 LNNWVPECLSCGSRCSDDV---ETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLR 141  
QY 120 DCPPG-----TRELKDEVGKGNHCVCKAGHFQNTSSPSARCQPHTRCENOGLYEAAP 174  
DB 142 KCRPGFGVARPGTETSDVV-----CKPCAPGTFSTSTSDICRPHQICN-----VVAIP 191  
QY 175 GTAQSDTTC--KNPLEPLPP 192  
DB 192 GNASRDAVCTSTSPTRSMAP 211

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Job time : 23 secs

RESULT 15  
US-08-795-446B-48  
Sequence 48, Application US/08795446B  
Patent No. 6288032  
GENERAL INFORMATION:  
APPLICANT: Boyle, William J.  
APPLICANT: Lacey, David L.  
APPLICANT: Calzone, Frank J.  
APPLICANT: Chang, Ming-Shi  
TITLE OF INVENTION: OSTEOPROTEGERIN  
NUMBER OF SEQUENCES: 53  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.  
STREET: 1840 Denavilland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91320-1789  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/795,446B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/577,788  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-378  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 227 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

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(without alignments)  
221.819 Million cell updates/sec

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Perfect score: 1133  
Sequence: 1 SQQAVPPYASENQTCRDQGE.....QSDTTCKNPLELPPEMSGT 197

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Gapop 10.0 , Gapext 0.5

Searched: 70606 seqs, 10133881 residues

Total number of hits satisfying chosen parameters: 70606

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1133	100.0	435	7	US-11-077-386-19 Sequence 19, Appl
2	1133	100.0	450	7	US-11-077-386-20 Sequence 20, Appl
3	1129	99.6	399	7	US-11-077-386-18 Sequence 18, Appl
4	771	68.0	415	7	US-11-182-946-6 Sequence 6, Appl
5	305	26.9	235	7	US-11-126-126-16 Sequence 16, Appl
6	305	26.9	461	7	US-11-132-285-6 Sequence 6, Appl
7	305	26.9	461	7	US-11-182-946-4 Sequence 4, Appl
8	285.5	25.2	300	7	US-11-154-257-2 Sequence 2, Appl
9	280	24.7	191	6	US-10-924-074-4 Sequence 4, Appl
10	279	24.6	239	6	US-10-924-074-8 Sequence 8, Appl
11	279	24.6	237	6	US-10-924-074-6 Sequence 6, Appl
12	279	24.6	244	6	US-10-924-074-2 Sequence 2, Appl
13	278	24.5	277	6	US-10-924-074-24 Sequence 24, Appl
14	278	24.5	277	7	US-11-182-946-10 Sequence 10, Appl
15	278	24.5	277	7	US-11-127-046-2 Sequence 2, Appl
16	278	24.5	359	7	US-11-105-172-2 Sequence 2, Appl
17	278	24.5	391	7	US-11-105-172-4 Sequence 4, Appl
18	252.5	22.3	203	7	US-11-069-856-1 Sequence 1, Appl
19	243	21.4	537	7	US-11-144-236-6 Sequence 6, Appl
20	239.5	21.1	380	7	US-11-144-236-1 Sequence 1, Appl
21	239.5	21.1	401	6	US-10-510-876-2 Sequence 2, Appl
22	239.5	21.1	401	6	US-10-510-876-4 Sequence 4, Appl
23	238.5	21.1	161	7	US-11-154-257-3 Sequence 3, Appl
24	236	20.8	165	7	US-11-069-856-23 Sequence 23, Appl
25	230.5	20.3	283	6	US-10-987-663-4 Sequence 4, Appl

26	218.5	19.3	350	7	US-11-132-285-41	Sequence 41, Appl
27	218	19.2	309	7	US-11-076-187-4	Sequence 4, Appl
28	215	19.0	453	7	US-11-185-878-5	Sequence 5, Appl
29	212	18.7	195	7	US-11-132-839-11	Sequence 11, Appl
30	212	18.7	203	7	US-11-132-839-10	Sequence 10, Appl
31	210.5	18.6	455	7	US-11-182-946-3	Sequence 3, Appl
32	210	18.5	349	7	US-11-182-946-13	Sequence 13, Appl
33	201	17.7	277	7	US-11-132-285-3	Sequence 3, Appl
34	201	17.7	277	7	US-11-182-946-12	Sequence 12, Appl
35	201	17.7	355	7	US-11-182-946-14	Sequence 14, Appl
36	199	17.6	211	7	US-11-132-839-12	Sequence 12, Appl
37	198.5	17.5	246	7	US-11-132-839-8	Sequence 8, Appl
38	196	17.3	595	7	US-11-182-946-9	Sequence 9, Appl
39	195.5	17.3	255	6	US-10-170-997-2	Sequence 2, Appl
40	195.5	17.3	255	7	US-11-182-946-11	Sequence 11, Appl
41	187.5	16.5	161	7	US-11-126-126-2	Sequence 2, Appl
42	187.5	16.5	161	7	US-11-057-923-3	Sequence 3, Appl
43	186.5	16.5	156	6	US-10-924-074-7	Sequence 7, Appl
44	186.5	16.5	160	7	US-11-132-839-7	Sequence 7, Appl
45	182.5	16.1	331	7	US-11-185-878-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1  
US-11-077-386-19  
; Sequence 19, Application US/11077386  
; Publication No. US20050272067A1  
; GENERAL INFORMATION:  
; APPLICANT: Macina, Roberto  
; APPLICANT: Turner, Leah R.  
; APPLICANT: Chen, Hwei-Mei  
; APPLICANT: Rodriguez, Maria  
; APPLICANT: Liu, Shu-Hui

; TITLE OF INVENTION: Compositions, Splice Variants and Methods Relating to Cancer Specimens  
; TITLE OF INVENTION: Genes and Proteins  
; FILE REFERENCE: DEX-0537  
; CURRENT APPLICATION NUMBER: US/11/077,386  
; PRIOR FILING DATE: 2005-03-10  
; PRIOR FILING DATE: 2004-04-30  
; PRIOR FILING DATE: 2004-04-30  
; PRIOR FILING DATE: 2004-04-23  
; PRIOR FILING DATE: 2004-03-10  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-11-077-386-19

Query Match	100.0%;	Score 1133;	DB 7;	Length 435;
Best Local Similarity	100.0%;	Pred. No. 2.8e-90;		
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Qy	61	YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD	120	
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Qy	121	CPGTEAELKDEYVGKGNHCVPCKAGHFQNTSPSARCPQHTRCENGLVEAPGTAQSD	180	
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Qy	181	TTCKNPLELPPEMSGT	197	
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RESULT 5
US-11-126-126-16
; Sequence 16, Application US/11126126
; Publication No. US20050250696A1
; GENERAL INFORMATION:
; APPLICANT: Fisher F., Eric
; APPLICANT: Edwards K., Carl
; APPLICANT: Kieft L., Gary
; TITLE OF INVENTION: Truncated Soluble Tumor Necrosis Factor Type-I and
; TITLE OF INVENTION: Type-II Receptors
; FILE REFERENCE: 02-006-A
; CURRENT APPLICATION NUMBER: US/11/126,126
; CURRENT FILING DATE: 2005-05-10
; PRIOR APPLICATION NUMBER: 09/882,735
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 09/214,613
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: PCT/US97/12244
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: 60/039,792
; PRIOR FILING DATE: 1997-03-04
; PRIOR APPLICATION NUMBER: 60/039,314
; PRIOR FILING DATE: 1997-02-07
; PRIOR APPLICATION NUMBER: 60/037,737
; PRIOR FILING DATE: 1997-01-23
; PRIOR APPLICATION NUMBER: 60/032,534
; PRIOR FILING DATE: 1996-12-06
; PRIOR APPLICATION NUMBER: 60/021,443
; PRIOR FILING DATE: 1996-07-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-126-126-16

Query Match 26.9%; Score 305; DB 7; Length 235;
Best Local Similarity 35.0%; Pred. No. 1e-19;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

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DB 6 ATPTAPPEPGSTCR--LREYDQTAQMCCSKCSPGQHAQVFKTKTSDTVCDSCDSTYTQ 63
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DB 120 KCRPGFGVARPGTETSDV-----CKPCAPGTFSTNTSSTDICRPHQICN-----VVAIP 169
QY 175 GTAQSDTTC--KNPLEPLPP 192
DB 170 GNASRDVACTSTSPTRSMAP 189

RESULT 6
US-11-132-285-6
; Sequence 6, Application US/11132285
; Publication No. US20050244876A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR13 and TR14
; FILE REFERENCE: PF511P1
; CURRENT APPLICATION NUMBER: US/11/132,285
; CURRENT FILING DATE: 2005-05-19
; PRIOR APPLICATION NUMBER: US/10/046,433
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/261,960
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; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/618,570
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/144,087
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 60/149,450
; PRIOR FILING DATE: 1999-07-18
; PRIOR APPLICATION NUMBER: 60/149,712
; PRIOR FILING DATE: 1999-08-20
; PRIOR APPLICATION NUMBER: 60/153,089
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-132-285-6

Query Match 26.9%; Score 305; DB 7; Length 461;
Best Local Similarity 35.0%; Pred. No. 1.9e-19;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

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DB 28 ATPTAPPEPGSTCR--LREYDQTAQMCCSKCSPGQHAQVFKTKTSDTVCDSCDSTYTQ 85
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DB 86 LNNWVPECLSCGSRCSDDQV---ETQACTREQNRICTRCPGWYCALSKQEGCRLCAPLR 141
QY 120 DCPPG-----TEAELKDEVKGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAP 174
DB 142 KCRPGFGVARPGTETSDV-----CKPCAPGTFSTNTSSTDICRPHQICN-----VVAIP 191
QY 175 GTAQSDTTC--KNPLEPLPP 192
DB 192 GNASRDVACTSTSPTRSMAP 211

RESULT 7
US-11-182-946-4
; Sequence 4, Application US/11182946
; Publication No. US20050255100A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1486.1280004
; CURRENT APPLICATION NUMBER: US/11/182,946
; CURRENT FILING DATE: 2005-07-18
; PRIOR APPLICATION NUMBER: US/10/186,643
; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US/09/573,986
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-182-946-4

Query Match 26.9%; Score 305; DB 7; Length 461;
Best Local Similarity 35.0%; Pred. No. 1.9e-19;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTRDQKEYYEPQHRICCSRCPPGTYVSAAKCSRIKRDVTCATCAENS YNE 63
DB 28 ATPTAPPEPGSTCR--LREYDQTAQMCCSKCSPGQHAQVFKTKTSDTVCDSCDSTYTQ 85
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QY 64 HNNYLTICLCR---PCDPVWGLEEIAPICTSKRTQCRQCPGMFCAAWALE-CTHCELLS 119  
 Db 86 LNNWPECLSCGRSSDQV---ETQACTRQNRICTCRPGMYCALSQEGCRICAPLR 141  
 QY 120 DCPPG-----TBAELKDEVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAP 174  
 Db 142 KCRPGFGVARPGTETSDVY-----CKCAPGTFSNTTSTDICRPHQICN-----VVAIP 191  
 QY 175 GTAQSDTTC--KNLEPLPP 192  
 Db 192 GNASRDVCTSTSPTRSMAP 211

RESULT 8

US-11-154-257-2  
 ; Sequence 2, Application US/11154257  
 ; Publication No. US20050277151A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hsu, Hailing  
 ; TITLE OF INVENTION: NTR3 A Novel Member of the TNP-Receptor Supergene Family  
 ; FILE REFERENCE: 01017/35549B  
 ; CURRENT APPLICATION NUMBER: US/11/154,257  
 ; PRIOR FILING DATE: 2005-06-16  
 ; PRIOR APPLICATION NUMBER: 09/632,277  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: US 60/147,297  
 ; PRIOR FILING DATE: 1999-08-04  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: Patent in Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 300  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

Query Match 25.2%; Score 285.5; DB 7; Length 300;  
 Best Local Similarity 36.0%; Pred. No. 6.1e-18;  
 Matches 63; Conservative 18; Mismatches 77; Indels 17; Gaps 7;

QY 25 EPQHRICSRCPGTYVSACSRIRDTVCATCAENSNEHNNYLTICLCRCPDPMVG-- 82  
 Db 42 ETGERLVACQCPGTFVQRCPRDSFTTCGCPFRHYTFWNYL---ERCRCNVLCGER 98  
 QY 83 LBEIAPCTSKRTQCRCPGMFC-AAWALECTHCELLSDCPGTEAELKDEVGKNNHCV 141  
 Db 99 EEEARACHATHNACRRTGFFAHAGFCLF--H-----ASCPEGA-GVIAPGTFPSQNTQQ 151  
 QY 142 PCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKN-----PLBPLPP 192  
 Db 152 PCPPGTFSASSSSSQCPHNRCTALGLALNVPGSSSHDTLCTCTGFPFLSTRVP 206

RESULT 9

US-10-924-074-4  
 ; Sequence 4, Application US/10924074  
 ; Publication No. US20050272050A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mintz, Liat  
 ; APPLICANT: Bernstein, Jeanne  
 ; APPLICANT: Eshel, Dani  
 ; APPLICANT: Toporik, Amir  
 ; APPLICANT: Chen, Aviva  
 ; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of  
 ; FILE REFERENCE: 28800-501 CIP  
 ; CURRENT APPLICATION NUMBER: US/10/924,074  
 ; PRIOR FILING DATE: 2004-08-23  
 ; PRIOR APPLICATION NUMBER: PCT/IB03/0665  
 ; PRIOR FILING DATE: 2003-02-23  
 ; PRIOR APPLICATION NUMBER: 60/358,877  
 ; NUMBER OF SEQ ID NOS: 43  
 ; SOFTWARE: Patent in version 3.3

; SEQ ID NO 4  
 ; LENGTH: 191  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Query Match 24.7%; Score 280; DB 6; Length 191;  
 Best Local Similarity 35.2%; Pred. No. 1.2e-17;  
 Matches 64; Conservative 20; Mismatches 86; Indels 12; Gaps 5;

QY 7 PPYASENQTCDQKEYYEPOHRIICCSRCPPGTYVSACSRIRDTVCATCAENSNEHWN 66  
 Db 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQLVSDCTEFTETECPLCGESEPLDTWN 72  
 QY 67 YLTICLCRCPDPMVWGLEEIAPICTSKRTQCRCPGMFCAAWALECTHCELLSDCPGTE 126  
 Db 73 RETHCHQHKYCDPNLGLRVQKGTSETDTTICTEGHWHCTSEA--CESCVLHRSRSPFG 130  
 QY 127 AELKDEVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186  
 Db 131 VK-QIATGVSDTICEPCVPVGFSSVSAFAKCHPWTSCETKDLVVQOAGTNKTDVVCGLG 189  
 QY 187 LE 188  
 Db 190 LE 191

RESULT 10

US-10-924-074-8  
 ; Sequence 8, Application US/10924074  
 ; Publication No. US20050272050A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mintz, Liat  
 ; APPLICANT: Bernstein, Jeanne  
 ; APPLICANT: Eshel, Dani  
 ; APPLICANT: Toporik, Amir  
 ; APPLICANT: Chen, Aviva  
 ; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of  
 ; FILE REFERENCE: 28800-501 CIP  
 ; CURRENT APPLICATION NUMBER: US/10/924,074  
 ; PRIOR FILING DATE: 2004-08-23  
 ; PRIOR APPLICATION NUMBER: PCT/IB03/0665  
 ; PRIOR FILING DATE: 2003-02-23  
 ; PRIOR APPLICATION NUMBER: 60/358,877  
 ; PRIOR FILING DATE: 2002-02-22  
 ; NUMBER OF SEQ ID NOS: 43  
 ; SOFTWARE: Patent in version 3.3  
 ; SEQ ID NO 8  
 ; LENGTH: 229  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

Query Match 24.6%; Score 279; DB 6; Length 229;  
 Best Local Similarity 34.2%; Pred. No. 1.7e-17;  
 Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPYASENQTCDQKEYYEPOHRIICCSRCPPGTYVSACSRIRDTVCATCAENSNEHWN 66  
 Db 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQLVSDCTEFTETECPLCGESEPLDTWN 72  
 QY 67 YLTICLCRCPDPMVWGLEEIAPICTSKRTQCRCPGMFCAAWALECTHCELLSDCPGTE 126  
 Db 73 RETHCHQHKYCDPNLGLRVQKGTSETDTTICTEGHWHCTSEA--CESCVLHRSRSPFG 130  
 QY 127 AELKDEVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186  
 Db 131 VK-QIATGVSDTICEPCVPVGFSSVSAFAKCHPWTSCETKDLVVQOAGTNKTDVVCES 189  
 QY 187 LEPLPPMSG 196  
 Db 190 WTMGFESLG 199

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RESULT 11
US-10-924-074-6
; Sequence 6, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernstein, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 6
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-6

Query Match      24.6%; Score 279; DB 6; Length 237;
Best Local Similarity 34.2%; Pred. No. 1.8e-17;
Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDOEKEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCQPGQKLVSDCTETETECPCGESEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSDCPCPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGFG 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVCGES 189
QY 187 LEPLPEMSG 196
Db 190 WTMGPGESLG 199

RESULT 12
US-10-924-074-2
; Sequence 2, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernstein, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 2
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-2

Query Match      24.5%; Score 278; DB 6; Length 277;
Best Local Similarity 35.0%; Pred. No. 2.5e-17;
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDOEKEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCQPGQKLVSDCTETETECPCGESEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSDCPCPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGFG 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTTC 183
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVC 186

RESULT 13
US-10-924-074-24
; Sequence 24, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernstein, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 24
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-24

Query Match      24.5%; Score 278; DB 6; Length 277;
Best Local Similarity 35.0%; Pred. No. 2.5e-17;
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDOEKEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCQPGQKLVSDCTETETECPCGESEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSDCPCPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGFG 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTTC 183
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVC 186

RESULT 14
US-11-182-946-10
; Sequence 10, Application US/11182946
; Publication No. US20050255100A1
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-2

Query Match      24.6%; Score 279; DB 6; Length 244;
Best Local Similarity 34.2%; Pred. No. 1.8e-17;
Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDOEKEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCQPGQKLVSDCTETETECPCGESEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSDCPCPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGFG 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVCGES 189
QY 187 LEPLPEMSG 196
Db 190 WTMGPGESLG 199

RESULT 13
US-10-924-074-24
; Sequence 24, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernstein, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 24
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-24

Query Match      24.5%; Score 278; DB 6; Length 277;
Best Local Similarity 35.0%; Pred. No. 2.5e-17;
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDOEKEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCQPGQKLVSDCTETETECPCGESEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSDCPCPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGFG 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTTC 183
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVC 186

RESULT 14
US-11-182-946-10
; Sequence 10, Application US/11182946
; Publication No. US20050255100A1
```

; GENERAL INFORMATION:  
; APPLICANT: Wei, Ying-Rei  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner  
; APPLICANT: Ruben, Steven  
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5  
; FILE REFERENCE: 1488.1280004  
; CURRENT APPLICATION NUMBER: US/11/182,946  
; CURRENT FILING DATE: 2005-07-18  
; PRIOR APPLICATION NUMBER: US/10/186,643  
; PRIOR FILING DATE: 2002-07-02  
; PRIOR APPLICATION NUMBER: US/09/573,986  
; PRIOR FILING DATE: 2000-05-18  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 10  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-182-946-10

Query Match 24.5%; Score 278; DB 7; Length 277;  
Best Local Similarity 35.0%; Pred. No. 2.5e-17;  
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;  
  
QY 7 PPYASNTCRDQKEYEYEPQHRICCSRCPPGTYVSACSRIRDVTCATCAENSYNHEHWN 66  
DB 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQKLVSDCTETETECPLCGESEFLDTWN 72  
  
QY 67 YLTICQLCRPCDPVNGLEBIEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126  
DB 73 RETHCHQHKYCDPNLGLRLVQKQGTSETDTICTCEGWHCTSEA--CESCVLHRSCSPGFG 130  
  
QY 127 AELKDEVGKGNHCVPCCKAGHFQNTSSPSARCPQPHTRCENQGLVEAAFGTAQSDTTC 183  
DB 131 VK-QIATGVSDTICEPCVPVGFPSNVSSAFKCHPWTSCETKDLVVQQAGTNKTDVVC 186

RESULT 15  
US-11-127-046-2  
; Sequence 2, Application US/11127046  
; Publication No. US20060008460A1  
; GENERAL INFORMATION:  
; APPLICANT: Aruffo, Alejandro J  
; APPLICANT: Ledbetter, Jeffrey A  
; APPLICANT: Stamenkovic, Ivan  
; APPLICANT: Noelle, Randolph  
; TITLE OF INVENTION: THE CD40CR RECEPTOR AND LIGANDS THEREFOR  
; FILE REFERENCE: 5624-232-999  
; CURRENT APPLICATION NUMBER: US/11/127,046  
; CURRENT FILING DATE: 2005-05-10  
; PRIOR APPLICATION NUMBER: US/08/338,975  
; PRIOR FILING DATE: 1994-11-14  
; PRIOR APPLICATION NUMBER: 07/835,799  
; PRIOR FILING DATE: 1992-02-14  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-127-046-2

Query Match 24.5%; Score 278; DB 7; Length 277;  
Best Local Similarity 35.0%; Pred. No. 2.5e-17;  
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;  
  
QY 7 PPYASNTCRDQKEYEYEPQHRICCSRCPPGTYVSACSRIRDVTCATCAENSYNHEHWN 66  
DB 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQKLVSDCTETETECPLCGESEFLDTWN 72  
  
QY 67 YLTICQLCRPCDPVNGLEBIEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126

Db 73 RETHCHQHKYCDPNLGLRLVQKQGTSETDTICTCEGWHCTSEA--CESCVLHRSCSPGFG 130  
QY 127 AELKDEVGKGNHCVPCCKAGHFQNTSSPSARCPQPHTRCENQGLVEAAFGTAQSDTTC 183  
Db 131 VK-QIATGVSDTICEPCVPVGFPSNVSSAFKCHPWTSCETKDLVVQQAGTNKTDVVC 186  
  
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Job time : 9 secs



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OM protein - protein search, using sw model

Run on: January 18, 2006, 15:04:01 ; Search time 62 Seconds  
(without alignments)  
1327.619 Million cell updates/sec

Title: US-09-626-219-1  
Perfect score: 1133  
Sequence: 1 SQPQAVPPYASENQTCRDQE.....QSDTTCKNPLEPLPPMSGT 197

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\_Main:\*  
1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
5: /cgn2\_6/prodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/prodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1133	100.0	197	4	US-10-003-211-1
2	1133	100.0	197	5	US-10-077-406-1
3	1133	100.0	435	3	US-09-307-372-19
4	1133	100.0	435	3	US-09-768-779A-6
5	1133	100.0	435	3	US-09-917-372-19
6	1133	100.0	435	4	US-10-087-192-942
7	1133	100.0	435	4	US-10-291-480-6
8	1133	100.0	435	4	US-10-369-300-17
9	1133	100.0	435	4	US-10-262-445-133
10	1129	99.6	399	3	US-09-907-372-1
11	1129	99.6	399	3	US-09-917-372-1
12	1108	97.8	416	5	US-10-484-148-16
13	987	87.1	170	4	US-10-112-793-14
14	970	85.6	172	4	US-10-375-680-57
15	780	68.8	257	3	US-09-948-018-19
16	771	68.0	402	4	US-10-087-192-939
17	771	68.0	415	3	US-09-826-212-6
18	771	68.0	415	3	US-09-307-372-20
19	771	68.0	415	3	US-09-935-727-8
20	771	68.0	415	3	US-09-917-372-20
21	771	68.0	415	4	US-10-186-643-6
22	771	68.0	415	4	US-10-418-242-8
23	771	68.0	415	5	US-10-943-197-47
24	381.5	33.7	305	4	US-10-264-049-3058
25	311.5	27.5	659	4	US-10-363-427-12
26	307	27.1	720	4	US-10-363-427-8
27	305	26.9	225	3	US-09-840-795-10

28	305	26.9	227	3	US-09-405-032-131	Sequence 131, App
29	305	26.9	227	5	US-10-762-159-131	Sequence 131, App
30	305	26.9	235	3	US-09-102-530-2	Sequence 2, Appli
31	305	26.9	235	3	US-09-102-530-8	Sequence 8, Appli
32	305	26.9	235	3	US-09-907-263-4	Sequence 4, Appli
33	305	26.9	235	3	US-09-882-735-16	Sequence 16, Appli
34	305	26.9	235	4	US-10-243-230-2	Sequence 2, Appli
35	305	26.9	235	4	US-10-243-230-8	Sequence 8, Appli
36	305	26.9	235	4	US-10-436-826-75	Sequence 75, Appli
37	305	26.9	235	4	US-10-621-783-4	Sequence 4, Appli
38	305	26.9	235	4	US-10-622-383-4	Sequence 4, Appli
39	305	26.9	257	4	US-10-313-852-10	Sequence 10, Appli
40	305	26.9	257	4	US-10-314-033-10	Sequence 10, Appli
41	305	26.9	439	4	US-10-360-101-226	Sequence 226, App
42	305	26.9	450	3	US-09-768-779A-3	Sequence 3, Appli
43	305	26.9	450	4	US-10-291-480-3	Sequence 3, Appli
44	305	26.9	461	3	US-09-800-909-2	Sequence 2, Appli
45	305	26.9	461	3	US-09-826-212-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1  
US-10-003-211-1  
; Sequence 1, Application US/10003211  
; Publication No. US20020197254A1  
; GENERAL INFORMATION:  
; APPLICANT: Biogen, Inc.  
; APPLICANT: Browning, et al.  
; TITLE OF INVENTION: Soluble Lymphotoxin Beta Receptor and  
; TITLE OF INVENTION: Anti-Lymphotoxin Receptor and Ligand Antibodies as  
; TITLE OF INVENTION: Therapeutic Agents for the Treatment of Immunological  
; TITLE OF INVENTION: Diseases  
; FILE REFERENCE: A013US  
; CURRENT APPLICATION NUMBER: US/10/003,211  
; CURRENT FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: PCT/US97/19436  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/029,060  
; PRIOR FILING DATE: 1996-10-25  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 197  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-003-211-1

Query Match	100.0%;	Score 1133;	DB 4;	Length 197;
Best Local Similarity	100.0%;	Pred. No. 3.5e-86;		
Matches 197;	Conservative	0;	Mismatches 0;	Indels 0; Gaps 0;
Qy	1	SQPQAVPPYASENQTCRDQEKEYEYEPQHRICCSRCPPGTVVSAKCSRIKRTVCATCAENS	60	
Db	1	SQPQAVPPYASENQTCRDQEKEYEYEPQHRICCSRCPPGTVVSAKCSRIKRTVCATCAENS	60	
Qy	61	YNEHWNLYTCQLCRPCDPVMGLEETAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD	120	
Db	61	YNEHWNLYTCQLCRPCDPVMGLEETAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD	120	
Qy	121	CPPTGTAELKDEYKGNHNCVPCAKGHFQNTSSPSARCQPHTRCENGLVEAPGTAQSD	180	
Db	121	CPPTGTAELKDEYKGNHNCVPCAKGHFQNTSSPSARCQPHTRCENGLVEAPGTAQSD	180	
Qy	181	TTCKNPLEPLPPMSGT	197	
Db	181	TTCKNPLEPLPPMSGT	197	

RESULT 2  
US-10-077-406-1  
; Sequence 1, Application US/10077406

```

; Publication No. US20050037003A1
; GENERAL INFORMATION:
; APPLICANT: Browning, et al.
; TITLE OF INVENTION: Soluble Lymphotoxin-B Receptors and Anti-Lymphotoxin
; TITLE OF INVENTION: Receptor and Ligand Antibodies, as Therapeutic Agents
; TITLE OF INVENTION: for the Treatment of Immunological Disease.
; FILE REFERENCE: B191
; CURRENT APPLICATION NUMBER: US/10/077,406
; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US/09/000,166
; PRIOR FILING DATE: 1998-06-08
; PRIOR APPLICATION NUMBER: PCT/US96/12010
; PRIOR FILING DATE: 1996-07-19
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-077-406-1

Query Match 100.0%; Score 1133; DB 5; Length 197;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDOEKEYEYEPQHRICCSRCPPGTYVSAGKSRIRDTVCATCAENS 60
DB 1 SQQAVPPYASENOTCRDOEKEYEYEPQHRICCSRCPPGTYVSAGKSRIRDTVCATCAENS 60
QY 61 YNEHWNLYTICQLCRPCDPVVMGLEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD 120
DB 61 YNEHWNLYTICQLCRPCDPVVMGLEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD 120
QY 121 CPPGTEAEKLDKGVGKGNHCVCKAGHFONTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180
DB 121 CPPGTEAEKLDKGVGKGNHCVCKAGHFONTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180
QY 181 TTCKNPLEPLPPMSGT 197
DB 181 TTCKNPLEPLPPMSGT 197

RESULT 3
US-09-907-372-19
; Sequence 19, Application US/09907372
; Patent No. US20020068242A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti G.
; TITLE OF INVENTION: TNF RECEPTOR 2 RELATED PROTEIN VARIANT
; FILE REFERENCE: PC-0050 US
; CURRENT APPLICATION NUMBER: US/09/907,372
; CURRENT FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PERL Program
; SEQ ID NO 19
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020068242A1 g339762
US-09-907-372-19

Query Match 100.0%; Score 1133; DB 3; Length 435;
Best Local Similarity 100.0%; Pred. No. 7.6e-86;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDOEKEYEYEPQHRICCSRCPPGTYVSAGKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDOEKEYEYEPQHRICCSRCPPGTYVSAGKSRIRDTVCATCAENS 87
QY 61 YNEHWNLYTICQLCRPCDPVVMGLEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD 120
DB 61 YNEHWNLYTICQLCRPCDPVVMGLEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD 120
QY 121 CPPGTEAEKLDKGVGKGNHCVCKAGHFONTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180
DB 121 CPPGTEAEKLDKGVGKGNHCVCKAGHFONTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180
QY 181 TTCKNPLEPLPPMSGT 197
DB 181 TTCKNPLEPLPPMSGT 197

RESULT 4
US-09-768-779A-6
; Sequence 6, Application US/09768779A
; Patent No. US20020127637A1
; GENERAL INFORMATION:
; APPLICANT: NI, JIAN
; MOORE, PAUL
; TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR
; RECEPTOR-LIKE PROTEIN 8
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/768,779A
; FILING DATE: 25-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/086,582
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: KENLEY K. HOOVER
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PF368PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 435 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-768-779A-6

Query Match 100.0%; Score 1133; DB 3; Length 435;
Best Local Similarity 100.0%; Pred. No. 7.6e-86;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDOEKEYEYEPQHRICCSRCPPGTYVSAGKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDOEKEYEYEPQHRICCSRCPPGTYVSAGKSRIRDTVCATCAENS 87
QY 61 YNEHWNLYTICQLCRPCDPVVMGLEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD 120
DB 61 YNEHWNLYTICQLCRPCDPVVMGLEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSD 120
QY 121 CPPGTEAEKLDKGVGKGNHCVCKAGHFONTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180
DB 121 CPPGTEAEKLDKGVGKGNHCVCKAGHFONTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180
QY 181 TTCKNPLEPLPPMSGT 197
DB 181 TTCKNPLEPLPPMSGT 197
```

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 5  
US-09-917-372-19  
; Sequence 19, Application US/09917372  
; Publication No. US20030068619A1  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti G.  
; TITLE OF INVENTION: TNF RECEPTOR 2 RELATED PROTEIN VARIANT  
; FILE REFERENCE: PC-0050 US  
; CURRENT APPLICATION NUMBER: US/09/917,372  
; CURRENT FILING DATE: 2002-09-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PERL Program  
; SEQ ID NO 19  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc.feature  
; OTHER INFORMATION: Incyte ID No. US20030068619A1 g339762  
US-09-917-372-19

Query Match 100.0%; Score 1133; DB 3; Length 435;  
Best Local Similarity 100.0%; Pred. No. 7.6e-86;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 60  
Db 28 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 6  
US-10-087-192-942  
; Sequence 942, Application US/10087192  
; Publication No. US20020182586A1  
; GENERAL INFORMATION:  
; APPLICANT: Engelhard, David W.  
; APPLICANT: Morris, Eric K.  
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR  
; TITLE OF INVENTION: CANCER  
; FILE REFERENCE: 529452000122  
; CURRENT APPLICATION NUMBER: US/10/087,192  
; CURRENT FILING DATE: 2002-03-01  
; PRIOR APPLICATION NUMBER: US 09/747,377  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: US 09/798,586  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 2059  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 942  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-087-192-942

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 7  
US-10-291-480-6  
; Sequence 6, Application US/10291480  
; Publication No. US20030100069A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Moore, Paul  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Protein 8  
; FILE REFERENCE: PF368C1D1  
; CURRENT APPLICATION NUMBER: US/10/291,480  
; CURRENT FILING DATE: 2002-11-12  
; PRIOR APPLICATION NUMBER: 09/768,779  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 09/086,582  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/048,020  
; PRIOR FILING DATE: 1997-05-29  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: human  
US-10-291-480-6

QY 1 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 60  
Db 28 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 8  
US-10-369-300-17  
; Sequence 17, Application US/10369300  
; Publication No. US20030215442A1  
; GENERAL INFORMATION:  
; APPLICANT: Fraser, Christopher

Query Match 100.0%; Score 1133; DB 4; Length 435;  
Best Local Similarity 100.0%; Pred. No. 7.6e-86;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 60  
Db 28 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

Query Match 100.0%; Score 1133; DB 4; Length 435;  
Best Local Similarity 100.0%; Pred. No. 7.6e-86;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 60  
Db 28 SOPQAVPPYASENQTCRDOEKEYEPQHRICCSRCPPGTYVSAKCSRIIRDVTVCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVMGLEETAPCTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 8  
US-10-369-300-17  
; Sequence 17, Application US/10369300  
; Publication No. US20030215442A1  
; GENERAL INFORMATION:  
; APPLICANT: Fraser, Christopher



Db 28 SQPQAVPPYASENQTCDQKEYEYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENS 87  
QY 61 YNEHWNLYTICQLCRPCDPVWGLLEEIAPTCTSKRTQCRQPGMFCFAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVWGLLEEIAPTCTSKRTQCRQPGMFCFAWALECTHCELLSD 147  
QY 121 CPPGTAEALKDEVGKGNHCVPCAKGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTAEALKDEVGKGNHCVPCAKGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207  
QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGS 224

RESULT 11  
US-09-917-372-1  
; Sequence 1, Application US/09917372  
; Publication No. US2003068619A1  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti G.  
; TITLE OF INVENTION: TNP RECEPTOR 2 RELATED PROTEIN VARIANT  
; FILE REFERENCE: PC-0050 US  
; CURRENT APPLICATION NUMBER: US/09/917,372  
; CURRENT FILING DATE: 2002-09-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PERL Program  
; SEQ ID NO 1  
; LENGTH: 399  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US2003068619A1 7497867CD1  
US-09-917-372-1

Query Match 99.6%; Score 1129; DB 3; Length 399;  
Best Local Similarity 99.5%; Pred. No. 1.5e-85;  
Matches 196; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
QY 1 SQPQAVPPYASENQTCDQKEYEYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENS 60  
Db 28 SQPQAVPPYASENQTCDQKEYEYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENS 87  
QY 61 YNEHWNLYTICQLCRPCDPVWGLLEEIAPTCTSKRTQCRQPGMFCFAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVWGLLEEIAPTCTSKRTQCRQPGMFCFAWALECTHCELLSD 147  
QY 121 CPPGTAEALKDEVGKGNHCVPCAKGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTAEALKDEVGKGNHCVPCAKGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207  
QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGS 224

RESULT 12  
US-10-484-148-16  
; Sequence 16, Application US/10484148  
; Publication No. US20040248251A1  
; GENERAL INFORMATION:  
; APPLICANT: LAL, Preeti G.; HONCHELL, Cynthia D.;  
; APPLICANT: FORSYTHE, Ian J.; CHAWLA, Narinder K.;  
; APPLICANT: TANG, Y. Tom; BOROWSKY, Mark L.; BARROSO, Ines;  
; APPLICANT: YUE, Henry; WARREN, Bridget A.;  
; APPLICANT: THANGAVELU, Kavitha; GIETZEN, Kimberly J.;  
; APPLICANT: AZIMZAI, Yalda; LEE, Ernestine A.;  
; APPLICANT: BAUGHN, Mariah R.; GORVAD, Ann E.;  
; APPLICANT: DUGGAN, Brendan M.; TRAN, Bao;  
; APPLICANT: LI, Joana X.; RICHARDSON, Thomas W.;

; APPLICANT: ELLIOTT, Vicki S.; ZEBARJADIAN, Yeganeh  
; APPLICANT: TRAN, Uyen K.; YAO, Monique G.;  
; APPLICANT: PETERSON, David P.; LUO, Wen  
; APPLICANT: LEHR-MASON, Patricia M.  
; TITLE OF INVENTION: RECEPTORS AND MEMBRANE ASSOCIATED PROTEINS  
; FILE REFERENCE: PF-1082 USN  
; CURRENT APPLICATION NUMBER: US/10/484,148  
; CURRENT FILING DATE: 2004-01-15  
; PRIOR APPLICATION NUMBER: PCT/US02/22833  
; PRIOR FILING DATE: 2002-07-16  
; PRIOR APPLICATION NUMBER: US 60/306,020  
; PRIOR FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: US 60/308,179  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: US 60/309,702  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: US 60/311,476  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: US 60/311,718  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: US 60/311,551  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: US 60/314,798  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/316,639  
; PRIOR FILING DATE: 2001-08-31  
; PRIOR APPLICATION NUMBER: US 60/317,996  
; PRIOR FILING DATE: 2001-09-07  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PERL Program  
; SEQ ID NO 16  
; LENGTH: 416  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. 7497865CD1  
US-10-484-148-16

Query Match 97.8%; Score 1108; DB 5; Length 416;  
Best Local Similarity 100.0%; Pred. No. 8.6e-84;  
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 6 VPPYASENQTCDQKEYEYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENSNEHW 65  
Db 14 VPPYASENQTCDQKEYEYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENSNEHW 73  
QY 66 NYLTICQLCRPCDPVWGLLEEIAPTCTSKRTQCRQPGMFCFAWALECTHCELLSDCPPT 125  
Db 74 NYLTICQLCRPCDPVWGLLEEIAPTCTSKRTQCRQPGMFCFAWALECTHCELLSDCPPT 133  
QY 126 EAEALKDEVGKGNHCVPCAKGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSDTTCKN 185  
Db 134 EAEALKDEVGKGNHCVPCAKGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSDTTCKN 193  
QY 186 PLEPLPPMSGT 197  
Db 194 PLEPLPPMSGT 205

RESULT 13  
US-10-112-793-14  
; Sequence 14, Application US/10112793  
; Publication No. US20020192729A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California

```
;
;
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/112,793
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,683A
; FILING DATE: 31-Mar-1997
; APPLICATION NUMBER: 08/625328
; FILING DATE: 1-Apr-1996
; APPLICATION NUMBER: 08/710802
; FILING DATE: 23-Sep-1996
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Marschang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P1007P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5416
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 170 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-112-793-14

Query Match 87.1%; Score 987; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3.9e-74;
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 TCRDQEEYEPQHRICCSRCPPGYVSACSRIRDTVCATCAENSYNEHWNLYLTIC 74
DB 1 TCRDQEEYEPQHRICCSRCPPGYVSACSRIRDTVCATCAENSYNEHWNLYLTIC 60

QY 75 RCPDPMVGLLEETAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPGPTAEALKDEVG 134
DB 61 RCPDPMVGLLEETAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPGPTAEALKDEVG 120

QY 135 KGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 184
DB 121 KGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 170

RESULT 14
US-10-375-680-57
; Sequence 57, Application US/10375680
; Publication No. US20040009147A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ruben, Steven M
; APPLICANT: Ullrich, Stephen
; APPLICANT: Zhai, Yifan
; TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use
; FILE REFERENCE: 1488, 065000E
; CURRENT APPLICATION NUMBER: US/10/375,680
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,234
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 172
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:

;
; NAME/KEY: misc feature
; LOCATION: (7) --(7)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-375-680-57

Query Match 85.6%; Score 970; DB 4; Length 172;
Best Local Similarity 98.3%; Pred. No. 1e-72;
Matches 169; Conservative 0; Mismatches 1; Indels 2; Gaps 1;

QY 15 TCRDQEEYEPQHRICCSRCPPGYVSACSRIRDTVCATCAENSYNEHWNLYLTIC 72
DB 1 TCRDQEEYEPQHRICCSRCPPGYVSACSRIRDTVCATCAENSYNEHWNLYLTIC 60

QY 73 LCRPCDPVWGLEETAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPGPTAEALKDE 132
DB 61 LCRPCDPVWGLEETAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPGPTAEALKDE 120

QY 133 VGKGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 184
DB 121 VGKGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 172

RESULT 15
US-09-948-018-19
; Sequence 19, Application US/09948018
; Patent No. US20020150977A1
; GENERAL INFORMATION:
; APPLICANT: Theill et al
; TITLE OF INVENTION: TNF RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37677
; CURRENT APPLICATION NUMBER: US/09/948,018
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US 60/230,191
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-948-018-19

Query Match 68.8%; Score 780; DB 3; Length 257;
Best Local Similarity 100.0%; Pred. No. 8.9e-57;
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 63 EHWNYLTICQLCRPCDPVWGLEETAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCP 122
DB 1 EHWNYLTICQLCRPCDPVWGLEETAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCP 60

QY 123 FGTEAEALKDEYVGKGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTT 182
DB 61 FGTEAEALKDEYVGKGNHCVCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTT 120

QY 183 CKNPLEPLPPPEMSGT 197
DB 121 CKNPLEPLPPPEMSGT 135

Search completed: January 18, 2006, 15:10:30
Job time : 63 secs
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